

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (original): A heat sensitive flow meter for measuring a flow rate of a fluid passing through a suction pipe provided in an internal combustion engine, comprising:

a filter means for inputting a flow rate signal outputted from a flow rate detection means installed within the suction pipe and subjecting the flow rate signal to a filter processing; and

a selection means for comparing the flow rate signal outputted from the flow rate detection means and a filter signal outputted from the filter means to select the signal having a higher voltage from the flow rate signal and the filter signal as a new flow rate signal.

2. (original): A heat sensitive flow meter according to claim 1, wherein the filter means is comprised of a low-pass filter, and the filter processing is a processing for delaying the flow rate signal with a predetermined time constant.

3. (original): A heat sensitive flow meter according to claim 1, wherein the filter means is comprised of a high-pass filter, and the filter processing is a processing for advancing the flow rate signal with a predetermined time constant.

4. (original): A heat sensitive flow meter according to claim 1, wherein the filter processing executed by the filter means is a processing for arithmetically operating a value lower than a mean value of the flow rate signal by a predetermined value to output the resultant value.

5. (original): A heat sensitive flow meter for measuring a flow rate of a fluid passing through a suction pipe provided in an internal combustion engine, comprising: a step of comparing a flow rate signal outputted from a flow rate detection means installed within the suction pipe and a filter signal obtained by subjecting the flow rate signal to a filter processing

using a previously set filter function to select the signal having a higher voltage from the flow rate signal and the filter signal as a new flow rate signal.

6. (currently amended): A heat sensitive flow meter according to claim 16, wherein the filter processing is a processing for delaying the flow rate signal with a predetermined time constant.

7. (original): A heat sensitive flow meter according to claim 5, wherein the filter processing is a processing for advancing the flow rate signal with a predetermined time constant.

8. (original): A heat sensitive flow meter according to claim 5, wherein the filter processing is a processing for arithmetically operating a value lower than a mean value of the flow rate signal by a predetermined value to output the resultant value.

9. (original): A heat sensitive flow meter for measuring a flow rate of a fluid passing through a suction pipe provided in an internal combustion engine, comprising:

a judgement step of receiving data on a throttle aperture of the internal combustion engine and data on the number of revolutions of the internal combustion engine to judge whether or not the throttle aperture is equal to or larger than a set value for the throttle aperture previously set in correspondence to the number of revolutions; and

a selection step of, when the throttle aperture is equal to or larger than the set value, judging whether or not a value of a flow rate signal outputted from the flow rate detection means installed within the suction pipe is equal to or smaller than a set value for a flow rate signal previously set to select the set value as a new flow rate signal when the value of the flow rate signal is equal to or smaller than the set value.

10. (original): A heat sensitive flow meter for measuring a flow rate of a fluid passing through a suction pipe provided in an internal combustion engine, comprising:

a judgement step of receiving data on a suction pressure within the suction pipe and data on the number of revolutions of the internal combustion engine to judge whether or not the suction pressure is equal to or larger than a set value for the suction pressure previously set in correspondence to the number of revolutions; and

a selection step of, when the suction pressure is equal to or larger than the set value, judging whether or not a value of a flow rate signal outputted from a flow rate detection means installed within the suction pipe is equal to or smaller than a set value for the flow rate signal previously set to select the set value as a new flow rate signal when the value of the flow rate signal is equal to or smaller than the set value.

11. (original): A fuel controller for carrying out fuel controller using the heat sensitive flow meter as claimed in claim 1.